

TOLLGATE ROAD IS ASSUMED TO RUN IN AN EAST/WEST DIRECTION

TO SINGER ROAD

TOLLGATE ROAD

TOLLGATE ROAD

CONSTANT FRIENDSHIP BLVD

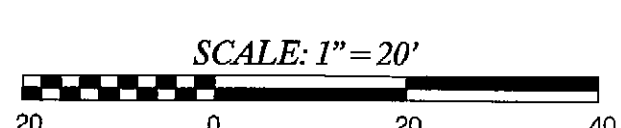
TO ABINGDON

- CONSTRUCTION DETAILS**
- A. INSTALL A NEMA SIZE 6 BASE MOUNTED CABINET AND CONTROLLER WITH AUDIBLE TACTILE PEDESTRIAN PUSH BUTTON BASE UNIT. (NOTE: TWO-4 IN. PVC. AND TWO-2 IN. PVC SCHEDULE 80 CONDUIT BENDS). STA 120+59, 64' LT.
  - B. INSTALL 200 AMP METERED SERVICE PEDESTAL (NOTE: ONE-4 IN. AND TWO-2 IN. SCHEDULE 80, 90-DEGREE CONDUIT BENDS IN PEDESTAL BASE).
  - C. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH SINGLE 70 FT. MAST ARM WITH SIGNAL HEADS, SIGNS, 15 FT. LIGHTING ARM, 250 WATT HPS LUMINAIRE, 16" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, R10-3(1) SIGN (TO READ "PUSH BUTTON TO CROSS CONSTANT FRIENDSHIP BLVD"), AUDIBLE TACTILE PEDESTRIAN PUSH BUTTON STATION WITH INTERNATIONAL TYPE II BRAILLE ON FACE PLATE. (NOTE: TWO-4 IN. PVC SCHEDULE 80, 90-DEGREE CONDUIT BENDS) STA. 120+68, 61' LT.
  - D. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
  - E. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
  - F. INSTALL HANDHOLE WITH LONGER DIMENSION PERPENDICULAR TO THE TRAVEL WAY FOR INSTALLATION OF NON-INVASIVE PROBES.
  - G. INSTALL HANDHOLE.
  - H. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
  - J. REMOVE EXISTING SIGNAL POLE, SPAN WIRE, SIGNAL HEADS, SIGNS AND FOUNDATION 12" BELOW GRADE AND BACK FILL.
  - K. REMOVE EXISTING SIGNAL POLE, SPAN WIRE, POLE MOUNTED CABINET, SIGNAL HEADS, SIGNS AND FOUNDATION 12" BELOW GRADE AND BACK FILL.
  - L. MAINTAIN EXISTING MICRO-LOOP PROBE DETECTORS.
  - M. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
  - N. ABANDON EXISTING LOOP DETECTOR.
  - P. REMOVE EXISTING HANDHOLE.
  - Q. INSTALL 24 IN. WHITE REMOVABLE PREFORMED PAVEMENT LINE MARKING FOR STOP LINE.
  - R. INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH BREAKAWAY BASE, 16" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, R10-3(1) SIGN (TO READ "PUSH BUTTON TO CROSS CONSTANT FRIENDSHIP BLVD"), AUDIBLE TACTILE PEDESTRIAN PUSH BUTTON STATION WITH INTERNATIONAL TYPE II BRAILLE ON FACE PLATE. (NOTE: ONE-3 IN. PVC SCHEDULE 80, 90-DEGREE CONDUIT BEND). STA. 121+58, 78' LT.
  - S. INSTALL NON-INVASIVE PROBES WITH 500 FT. LEAD IN CABLE (TO BE PLACED IN THRU LANE ONLY PER SHA STANDARD MD 815.03).
  - T. CAP AND ABANDON EXISTING CONDUIT.
  - U. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.

GEOMETRIC LEGEND	
	EXISTING
	PROPOSED
UTILITY LEGEND	
	STORM DRAIN
	GAS MAIN
	WATER MAIN
	SEWER MAIN
	ELECTRIC CABLES
	AERIAL CABLES
	TELEPHONE CABLES
	FIBER-OPTIC

MOT LEGEND	
	WORK ZONE
	TEMPORARY SIGN AND POST
	CRASH CUSHION SAND FILLED PLASTIC BARRELS
	TYPE III BARRICADE
	DRUMS
	PRECAST TEMPORARY CONCRETE TRAFFIC BARRIER

- V. REMOVE EXISTING SIGNAL POLE, SPAN WIRE, SIGNAL HEADS, SIGNS AND LIGHTING ARM.
- W. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH TWIN 50 FT. MAST ARMS, SIGNAL HEADS, SIGNS, 10 FT. LIGHTING ARM, 250 WATT HPS LUMINAIRE AND OVERHEAD VIDEO DETECTION CAMERAS MOUNTED ON MAST ARMS. (NOTE: TWO-4 IN. PVC SCHEDULE 80, 90-DEGREE CONDUIT BENDS) STA. 121+55, 34' LT.
- X. USE EXISTING HANDHOLE AND DISCONNECT, PULL BACK AND REROUTE EXISTING MICRO LOOP PROBE DETECTION CABLES.
- Y. PROVIDE 90 DEGREE CONDUIT BEND TO STUB-UP AT BASE OF THE VERIZON PHONE PEDESTAL. INSTALL STUB-UP 1 FT. ABOVE GRADE.



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APPROVALS
TEAM LEADER, TRAFFIC ENGINEERING DIVISION
ASST. CHIEF TRAFFIC ENGINEERING DIVISION
CHIEF TRAFFIC ENGINEERING DIVISION
DIRECTOR, OFFICE OF TRAFFIC & SAFETY

REVISIONS
REPLACE SHEET
③ STAGES 2-4 MOT SIGNAL DUE TO GEOMETRIC IMPROVEMENTS MD/A-# KH-271-000-002(R.2)
SWA  03/07
④ INSTALL RIGHT TURN OVERLAP FOR NB CONSTANT FRIENDSHIP BLVD
02/01

<b>SHA</b> STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION TOLLGATE ROAD AT CONSTANT FRIENDSHIP BLVD IMPROVEMENTS TO 195 AND MD 24 INTERCHANGE ABINGDON, MARYLAND	
<b>TEMPORARY TRAFFIC SIGNAL PLAN</b>	
SCALE 1" = 20' DATE JANUARY, 2002 CONTRACT NO.	
DESIGNED BY <u>D. DICKERSON</u>	COUNTY <u>HARFORD</u>
DRAWN BY <u></u>	LOGMILE <u></u>
CHECKED BY <u></u>	TIMS NO. <u>F-006</u>
FAP NO. <u></u>	TOD NO. <u></u>
TS NO. <u>4178B</u>	DRAWING <b>PSG</b> OF <b>P001</b> SHEET NO. <u>442</u> OF <u>597</u>